

Paducah Citizens Advisory Board

DDFO Presentation

Rob Seifert, Paducah Federal Project Director

October 18, 2012



CITIZENS
ADVISORY BOARD



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Presentation Agenda

- Inactive facilities removal
- Groundwater cleanup
- Burial grounds cleanup
- Upcoming documents
- Middle School Science Program
- DUF₆ plant update

Inactive Facilities Removal: C-410 Feed Plant

- Completed capital projects Aug. 24, ahead of Sept. 30 HQ milestone.
- Asbestos abatement and cold trap stabilization continues.
- Demolition to slab anticipated by end of September 2013.



A worker vacuums ductwork inside the Feed Plant.

Inactive Facilities Removal: C-340 Metals Plant

- LATA KY began transiting removal Aug. 22.
- LVI Services (LATA subcontractor) started demolition Sept. 26.
- Project is three months ahead of baseline schedule.
- Demolition to slab anticipated by January 2013.

Administration area before removal.



Administration area after removal.



Groundwater Cleanup: Southwest Plume Source Removal

- Soil sampling began July 18, ends in late October.
- Work is two months ahead of baseline schedule.
- Results will be used to:
 - Fill data gaps in oil landfarm and C-720 area.
 - Help narrow remedy decision at C-720.



Soil sampling at the northeast corner of C720 was completed in early October and has moved to the southeast corner of the building.

Groundwater Cleanup: C-400 Source Removal Phase IIa

- Field work for electrical resistance heating system began Sept. 26.
- Installation to be completed by spring 2013.
- Operation planned for summer 2013.



Workers use an auger to make electrode borings near C-400.

Burial Grounds Cleanup: SWMU 4 Soil Sampling

- 65 passive soil gas samplers were deployed Sept. 24 as part of the first phase of a five-phase, two-year sampling program.
- Analyses will determine relative level of certain vapors, particularly TCE, and distribution in the SWMU 4 area.
- Shallow soil sampling began Oct. 15 week.

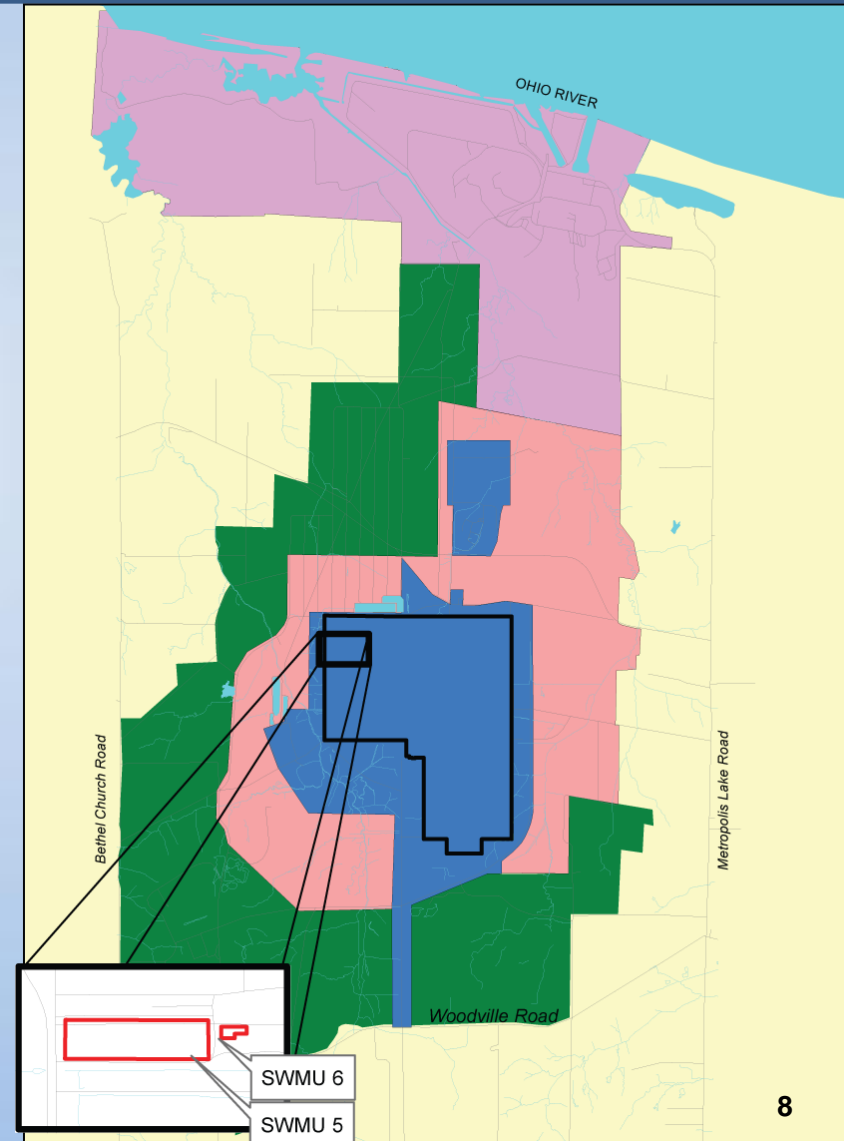


Workers install passive soil gas samplers in the SWMU 4 area.



Burial Grounds Cleanup: SWMUs 5 and 6 Informal Dispute

- DOE issued revised FS for SWMUs 5 & 6 in early August.
- EPA and Kentucky Division of Waste Management (KDWM) issued nonconcurrence letters and invoked informal dispute in late September.
- DOE is working with EPA and KDWM to resolve all comments and develop dispute agreement within 30-day deadline.



Informal Dispute Process

May be invoked by any party for any action generating a dispute



Good faith effort to resolve informally prior to resorting to formal dispute



Written Statement of Informal Dispute:

1. Set forth nature of dispute
2. Work affected by dispute
3. Disputing party's position with respect to dispute
4. Information supporting disputing party's position



Limited to 30-days of receipt of written statement



May be automatically extended by 15-days if requested by any of the parties



Parties may agree to extend informal dispute even further – confirmed in writing.



Formal Dispute:

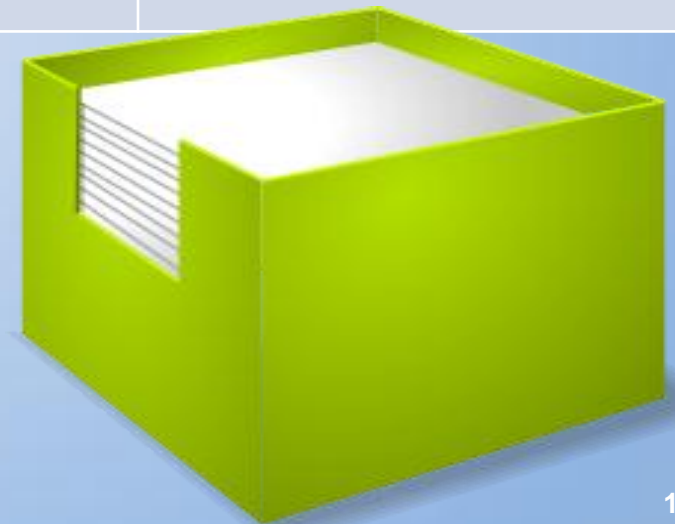
Invoke no later than 15-days after the end of informal dispute.

Disputing party must forward a written statement of formal dispute to Dispute Resolution Committee

Documents Recently Submitted to Regulators

Document	Submittal Date	Regulatory Review Period
Soils OU – Remedial Investigation Report (D2)	October 1, 2012	30 Days
Groundwater OU – SW Plume Remedial Design Report – 60% (D1)	September 25, 2012	90 Days (DOE requested 45-day review)
Burial Grounds OU – Proposed Plan, SWMUs 5 and 6 (D1)	August 29, 2012	45 Days
Burial Grounds OU – Feasibility Study, SWMUs 5 and 6 (D2/R1) ¹	August 6, 2012	30 Days
Groundwater OU - C-400 Phase IIa Remedial Action Work Plan (D2)	July 2, 2012	30 Days (Approved)

¹ Currently in dispute resolution



Middle School Science Program

- Middle school G&T science program expanded to include about 50 students from Heath, Lone Oak.
- Topic: reindustrialization/reuse.
- Students toured plant Sept. 28 during orientation.
- Teams are studying facilities/infrastructure, environmental considerations, and socioeconomic factors.
- Each school will present ideas Jan. 11, 2013, on how to best reuse PGDP.



Depleted Uranium Hexafluoride (DUF₆) Plant



- Babcock & Wilcox Conversion Services achieved full plant operation in September with all eight conversion units operating for longer than two weeks.
- BWCS processed 2,791 metric tons of DUF₆ in FY 2012, ending Sept. 30.
- In FY 2013, BWCS will achieve higher throughput in stages and determine the sustainable ramp-up to steady conversion rate.

Board Discussion...



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